

Dr. Eric Terrill
Scripps Institution of Oceanography at UC San Diego
Director, Coastal Observing Research and Development Center
eterrill@ucsd.edu

Biography:

Dr. Terrill is an oceanographer with 25 years of experience leading basic and applied research programs around the globe. In 2003, he established a R&D Center within the Marine Physical Laboratory at Scripps to rapidly field new technologies for the Navy. Scripps Marine Physical Laboratory is one of the four original Navy-University Applied Research Laboratories established in World War II. Staffed by engineers, data analysts, and ocean scientists, Dr. Terrill's Center serves as an interface between RDT&E and DoD operational commands/mission-driven agencies. In addition, Dr. Terrill has extensive experience working with industry to develop, improve, and evaluate new ocean technologies and unmanned platforms.

Dr. Terrill has a B.S. (magna cum laude) degree in Applied Mechanics and Engineering sciences from the University of California, San Diego and a Ph.D. in Physical Oceanography-Applied Ocean Sciences from Scripps Institution of Oceanography funded by DoD fellowships. Early in his career he was selected to receive a 3 year ONR Young Investigator Fellowship to recognize his naval-relevant research. In addition, Dr. Terrill has served on multiple transition and government review teams, Federal Advisory committees; and, provided congressional testimony on matters associated with emerging technologies for maritime domain awareness. Among the Federal Advisory committees, he previously served on a FACA for the U.S. Integrated Ocean Observing System (IOOS); a federal interagency effort led by the National Oceanic and Atmospheric Administration (NOAA). He is co-founder of Project Recover, a private-public collaborative which conducts global searches using UUVs and DoD methodologies to locate WWII-era aircraft crash sites - to date locations of 22 aircraft associated with 60+ MIA have been documented and reported to the Defense POW/MIA Accounting Agency. He is an avid diver with 32 years of diving experience.

Education:

- B.S., University of California San Diego
- Ph.D., UCSD, Scripps Institution of Oceanography

Research Interests:

- Coastal observing systems and technology development (HF radar, in-situ sensor systems, moorings, autonomous underwater vehicles)
- Air-sea interaction processes; surface waves, wave breaking, and turbulence and in air-sea fluxes, boundary layers, hurricanes
- Acoustical oceanography with emphasis on applications to nearshore, coastal, and upper ocean studies; sound propagation through bubbly flows
- Naval hydrodynamics